

REMARKS

This is in response to the Office Action mailed March 13, 2003, in which claims 1-41 were pending. The Office Action rejected claims 1, 3-11, 15-17, 19, 24-29 and 31-39, and indicated that claims 2, 12-14, 18, 20, 21, 23, 30, 40 and 41 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. With this Amendment, all claims are directed to subject matter which has already been indicated allowable. The application containing pending claims 1-19, 21-28, and 31-49 is in condition for allowance. Reconsideration and notice to that effect is respectfully requested.

Claim 1 is amended to incorporate the allowable original dependent claim 2, which depends from original independent claim 1. With this Amendment, claim 1 includes all the elements of original claim 2 and its base claim original claim 1. The amended claim 1 thus effectively replaces the allowable claim 2 in independent form including all of the limitations of the base claim and any intervening claims. Claim 1 as amended is therefore allowable and Notice of Allowance of claim 1 is respectfully requested.

The original claim 2 is amended to preserve the subject matter of the original claim 13 in combination with the allowable independent claim 1. As discussed below, the original claim 13 itself is now re-presented as independent claim 13. Claim 2 as amended does not introduce new matter and is allowable by virtue of its dependence from the amended and now allowable independent claim 1.

Claims 3-11 and 15-18 are amended in order to be compatible with the amended independent claim 1, from which claims 3-11 and 15-18 are dependent. Specifically, the phrase "structure" is replaced by "visual display". Furthermore, claim 12 and claim 18 are amended to depend directly from claim 1. Claims 3-11 and 15-18 as amended do not introduce new matter and are allowable by virtue of their dependence from the amended and now allowable independent claim 1.

The allowable claim 13 is re-presented in independent form to include all the

limitations of its base claim (original claim 1) and any intervening claims. Independent claim 13 as amended is therefore allowable and its allowance respectfully requested.

Claim 14 remains dependent from the now allowable independent claim 13, but is amended to correct several minor topographical errors. Claim 14 as amended is therefore allowable by virtue of its dependence on the allowable independent claim 13.

Claim 19 is amended to incorporate the allowable original dependent claim 20, which depends from original independent claim 19. With this Amendment, claim 19 includes all the elements of original claims 20 and its base claim original claim 19. The amended claim 19 thus effectively replaces the allowable claim 20 in independent form including all of the limitations of the base claim and any intervening claims. Claim 19 as amended is therefore allowable and Notice of Allowance of claim 19 is respectfully requested.

The original claim 20 is canceled.

Claim 21 is amended to directly depend from the now allowable independent claim 19. Claim 21 is further amended to correct a minor typographical error. Claims 22, 24 and 25 remain unchanged and still depend either directly or indirectly from the allowable independent claim 19. Claims 21, 22, 24 and 25 therefore are allowable by virtue of their dependence on the allowable independent claim 19.

The allowable claim 23 is re-represented in independent form to include all the limitations of its base claim (original claim 1) and any intervening claims. Independent claim 23 as amended is therefore allowable and its allowance respectfully requested.

Claim 26 is amended to incorporate the allowable original dependent claim 30, which depends from original independent claim 29, which in turn depends from original independent claim 26. With this Amendment, independent claim 26 includes all the elements of allowable original claim 30 and its base claim (original claim 26) and any intervening claims (original claim 29). The amended claim 26 thus effectively replaces the allowable claim 30 in independent form including all of the limitations of the base claim and any intervening claims. Claim 26 as amended is therefore allowable and Notice of Allowance of claim 26 is respectfully requested.

The original claims 29 and 30, whose features have been incorporated in independent claim 26, are canceled.

Claims 27, 28, 32, and 34 remain unchanged and still depend from the now allowable independent claim 26. Claim 31 is amended to make a clearer showing of antecedent of the term "substrate" contained therein. Claim 33 is amended to correct a minor typographical error and is now dependent from the allowable independent claim 26. Claims 27, 28, and 31-34 therefore are allowable by virtue of their dependence on the allowable independent claim 26.

Claim 35 is amended to incorporate the allowable original dependent claim 40, which depends from original independent claim 35. With this Amendment, independent claim 35 includes all the elements of allowable original claim 40 and its base claim (original independent claim 35). The amended claim 35 thus effectively replaces the allowable claim 40 in independent form including all of the limitations of the base claim and any intervening claims. Claim 35 as amended is therefore allowable and Notice of Allowance of claim 35 is respectfully requested.

Claims 36, 37 and 39 remain unchanged and still depend from the now allowable independent claim 35. Claim 38 is amended to make a clearer showing of antecedent of the term "substrate" contained therein. Claims 36-39 as presented are therefore allowable by virtue of their dependence from allowable independent claim 35.

Claim 40, whose original elements have been incorporated into the amended independent claim 35, is amended to preserve the subject matter of the original claim 41 in combination of the allowable independent claim 35. As discussed below, the original allowable claim 41 is re-presented as independent claim 41. Claim 40 as amended therefore does not introduce new matter and is allowable by virtue of its dependence from allowable independent claim 35.

Allowable claim 41 is re-presented in independent form. With this Amendment, claim 41 includes all the elements of original claims 41 and 35. The amended claim 41 thus includes all of the limitations of its base claim and any intervening claims. Claim 41 as amended is therefore allowable and Notice of Allowance of claim 41 is respectfully requested.

New claim 42 is presented with this Amendment as a dependent claim from the

amended independent claim 1 to preserve the subject matter of original claim 14 in combination with independent claim 1. New claim 42 does not introduce new matter and is allowable by virtue of its dependence from the amended and now allowable independent claim 1.

New claims 43-48 are presented with this Amendment as dependent claims either directly or indirectly from the re-presented independent claim 13 to preserve the subject matter of original claims 4, 7-10, and 12, respectively, in combination with independent claim 13. The original claims 4, 7-10, and 12 themselves remains dependent either directly or indirectly from independent claim 1. New claims 43-48 do not introduce new matter and are allowable by virtue of its dependence from the amended and now allowable independent claim 13.

New claim 49 is presented with this Amendment as a dependent claim from claim 22, which in turn depends from the amended allowable independent claim 19, to preserve the subject matter of original claim 23 in combination with independent claim 19 and dependent claim 22. The original claim 23 itself is re-presented as independent claim 23. New claim 49 therefore does not introduce new matter and is allowable by virtue of its dependence from the allowable independent claim 19.

With this Amendment, claims 20, 29 and 30 are canceled. All other claims which are objected or rejected to in the Office Action are presented in allowable forms. All other rejected claims are amended to depend from an independent claim including allowable subject matter. All pending claims 1-19, 21-28, 31-49 upon entry of this Amendment are allowable as required by the objections set forth in the Office Action. The Notice of Allowance of these claims is respectively requested.

With this Amendment, three (3) dependent claims are rewritten in independent form, resulting in a net increase of three (3) in the total number of independent claims presented. Three (3) dependent claims are canceled while eight (8) dependent claims are added. The total number of claims is now 46. The extra fee for claims due upon entry of this Amendment is enclosed.

The application containing pending claims 1-19, 21-28, 31-49 is in condition for allowance. Reconsideration and notice to that effect is respectfully requested. The Examiner is

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Application No.: 09/805,990

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invited to contact the undersigned at the telephone number listed below if such a call would in any way facilitate allowance of the application.

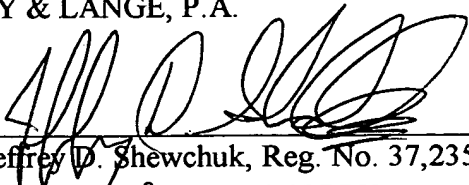
Respectfully submitted,

KINNEY & LANGE, P.A.

Date:

July 14, 2003

By


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